



County of San Bernardino
Land Use Services Department
BUILDING AND SAFETY DIVISION
STANDARD PROCEDURE

NO. B-20
REV BY H. Roe
EFFECTIVE 11/28/72
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REVISED 2/19/10

SUBJECT

SNOW LOAD DESIGN VALUES


APPROVED, Henry Roe, Deputy Director, Building Official

ASCE 7-05 requires snow loads above 3,600' elevation to be determined by the authority having jurisdiction. Therefore snow loads shall apply in the communities listed below and all other areas where the elevation exceeds 3,600 feet above sea level. Snow loads shall be in addition to the dead load weight of the structure. Unbalanced loads shall be considered. Potential accumulation of snow at valleys, parapets, roof structures and offsets in roofs of uneven configuration shall be considered. All building exits under down-slope eaves having a slope greater than 4:12 shall be protected from sliding snow and ice. Roof members supporting plaster shall also be designed for deflection.

Snow loads shall not be reduced due to tributary area. The roof snow loads given in the table below may be reduced due to the slope of the roof when the pitch meets or exceeds 7:12. The roof snow loads may be further modified in accordance with procedures found in ASCE 7-05. Ground snow loads shall not be a factor where roof snow loads have already been determined in accordance with this procedure.

Minor adjustments to reduce the design snow load may be made by the Regional Building Inspector Supervisor when he or she has knowledge of less snowfall in a particular location.

<u>AREA</u>	<u>ROOF SNOW LOAD (p.s.f.)</u>	<u>AREA</u>	<u>ROOF SNOW LOAD (p.s.f.)</u>
Angelus Oaks	75	Lake Gregory	75
Arrowbear Lake	75	Minnelusa	75
Arrowhead Highlands	75	Moonridge	75
Baldwin Lake	75	Mt. Baldy	75
Barton Flats	100	Oak Glen	50
Big Bear City	75	Oak Hills (>3,600')	30
Big Bear Lake	100	Onyx Summit	100
Blue Jay	100	Phelan (>3,600')	30
Cajon Canyon	50	Pinion Hills (>3,600')	30
Camp Angeles	75	Rim Forest	50
Cedarpines Park	50	Running Springs	75
Crestline	75	Seven Oaks	75
Erwin Lake	75	Skyforest	75
Fallsvale (Forest Falls)	75	Smiley Park	50
Fawnskin	75	Snow Valley	75
Forest Home	75	Sugarloaf	75
Green Valley	100	Twin Peaks	75
Lake Arrowhead	75	Valley of Enchantment	75
		Wrightwood	50

North and east of the mountain region above 3,600' including desert mountain ranges above 3,600 feet elevation, use 30 p.s.f. For all other areas above 3,600 feet elevation, use 50 p.s.f..